

CLAIMS

We claim:

1. An elevator rope assembly, comprising:
at least one elongate load carrying member; and
a urethane coating on the load carrying member that does not contain wax.
2. The assembly of claim 1, wherein the coating comprises a waxless thermal polyurethane.
3. The assembly of claim 1, including a plurality of load carrying members wound together and wherein the coating encases an outer portion of the plurality.
4. The assembly of claim 1, wherein the load carrying member comprises a plurality of metallic strands.
5. The assembly of claim 1, wherein the load carrying member comprises a plurality of non-metallic strands.
6. A method of making an elevator rope assembly, comprising:
arranging a plurality of elongate load carrying members in a selected arrangement; and
coating the load carrying members with a urethane coating that does not contain wax.
7. The method of claim 6, including using a thermal polyurethane coating.
8. The method of claim 6, including positioning the load carrying members within a mold and applying a release agent to the mold to enhance an ability to remove the rope

assembly from the mold after the load carrying members are coated with the urethane coating.

9. An elevator system, comprising:

a cab;

a counterweight; and

a load bearing assembly coupling the cab to the counterweight having a plurality of elongate load carrying members and a urethane coating on the load carrying members that does not contain wax.

10. The system of claim 9, wherein the coating comprises a waxless thermal polyurethane.

11. The system of claim 9, wherein the load carrying members are steel cords and the urethane coating encases the plurality of steel cords.

12. The system of claim 9, wherein the load carrying members are non-metallic strands and the urethane coating encases the plurality of strands.